



COMMONWEALTH of VIRGINIA  
DEPARTMENT OF FORENSIC SCIENCE

CENTRAL LABORATORY  
A Nationally Accredited Laboratory

700 NORTH 5TH STREET  
RICHMOND, VIRGINIA 23219  
(804) 786-6971

CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II  
SERIAL NUMBER: 010522  
CERTIFICATION DATE: January 14, 2014  
DATE RECERTIFICATION DUE: July 13, 2014

The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science as required by §9.1-1101 (B)(3). Measurement traceability is established through the use of reference materials supplied by an ISO/IEC 17025:2005 accredited calibration laboratory.

Estimation of Uncertainty of Measurement:

0.020 ± 0.004 g/210 L                      0.150 ± 0.007 g/210 L  
0.080 ± 0.004 g/210 L                      0.250 ± 0.007 g/210 L

The Uncertainty of Measurement is reported at the 99.73% level of confidence and a coverage factor of k=3. The estimation of the Uncertainty of Measurement is calculated for the Certification process only.

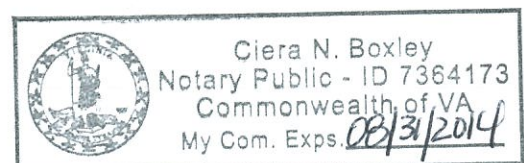
Michelle M. Billeter  
Forensic Scientist

CITY OF RICHMOND  
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 20th day of  
January, 2014 by Michelle M. Billeter

Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014



MSK

**Department of Forensic Science**  
**Breath Alcohol Section**  
**Instrument Maintenance History**  
**1/1/1990 To 1/16/2014**

*HMS*  
*mmb*

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**Instrument Serial Number:**    010522 **As of 16-Jan-14**

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Maintenance	Certification	Technician	
Date	Date	Initials	Remarks
14-Jan-14	14-Jan-14	HMS (18910)	CERTIFIED, REPLACED DRY GAS STANDARD.
22-Oct-13	02-Aug-13	HMS (18910)	REPLACED UPS BACK-UP BATTERY.
02-Aug-13	02-Aug-13	SED (24178)	FIRMWARE/SOFTWARE UPGRADE. CALIBRATED AND CERTIFIED. REPLACED DRY GAS STANDARD.
11-Feb-13	11-Feb-13	HMS (18910)	CERTIFIED, REPLACED DRY GAS STANDARD.
29-Aug-12	29-Aug-12	HMS (18910)	CERTIFIED
14-Mar-12	14-Mar-12	HMS (18910)	CERTIFIED, REPLACED DRY GAS STANDARD.
26-Sep-11	26-Sep-11	HMS (18910)	CERTIFIED
05-Apr-11	05-Apr-11	HMS (18910)	REPLACED DRY GAS STANDARD, CERTIFIED
19-Oct-10	19-Oct-10	HMS (18910)	CERTIFIED
09-Jul-10	09-Jul-10	HMS (18910)	MOVED INSTRUMENT TO NEW LOCATION, CERTIFIED
04-May-10	04-May-10	HMS (18910)	REPLACED DRY GAS STANDARD, CERTIFIED
12-Nov-09	12-Nov-09	NMJ (22392)	CERTIFIED.
11-Jun-09	11-Jun-09	HMS (18910)	CERTIFIED.
12-Mar-09	12-Mar-09	HMS (18910)	CERTIFIED.
05-Mar-09	05-Mar-09	NMJ (22392)	FIRMWARE/SOFTWARE UPGRADE, CERTIFIED.
30-Jan-09	30-Jan-09	NMJ (22392)	CALIBRATED, CERTIFIED AND ACCEPTED.

HHS  
mmB

# INTOX EC/IR II

## Quality Assurance Worksheet

Instrument Serial Number 010522 Worksheet Start Date 1/14/2014

Location Culpeper Police Department

Address 740 Old Brandy Rd., Culpeper, VA 22701

DFS Technician Heather Stanton License No. 18910

☐ Laboratory

☒ On-Site

Site Specification: No detrimental environmental conditions exist. ☒

Instrument Barometer (mm HG) 745 Reference Barometer (mm HG) 747

Reference Barometer(RB)Serial # 009113 RB Calibration Due 5/8/2014

### Measurement Assurance Check

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.300	0.294	0.285	0.302	Sample 2	0.299
Precision		sample min	sample max	Sample 3	0.299
0		0.299	0.299		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.100	0.098	0.095	0.101	Sample 2	0.099
Precision		sample min	sample max	Sample 3	0.098
0.001		0.098	0.099		

Dry gas standard Lot No. (with tank no.) AG316301-06

☒ Replaced dry gas standard (+O-ring)

☐ Installed at Location

☐ Removed to DFS-Central

Supplies  
Mouthpieces  
Certificates of Analysis  
Operator Worksheet  
Other:

50
50
2 pads

Notes:

Instrument Serial Number

010522

Certification Date

1/14/2014

☐ Calibrated☒ Certified☒ Measurement Assurance Check☒ Instrument Test☐ Troubleshooting/Maintenance Worksheet Completed

(Successful completion denotes satisfactory condition of the item.)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.246
0.250	0.245	0.237	0.252	Sample 2	0.246
Precision		sample min	sample max	Sample 3	0.246
0		0.246	0.246		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.148
0.150	0.147	0.142	0.151	Sample 2	0.148
Precision		sample min	sample max	Sample 3	0.148
0		0.148	0.148		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.079
0.080	0.078	0.075	0.081	Sample 2	0.079
Precision		sample min	sample max	Sample 3	0.079
0		0.079	0.079		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.019
0.020	0.020	0.017	0.023	Sample 2	0.019
Precision		sample min	sample max	Sample 3	0.019
0		0.019	0.019		

All measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

DFS Technician

*Heather W. Starks*

Date

*1/16/14*

Issuing Analyst

*Michelle Belleten*

Date

*1/21/14 1/23/14*  
*mmb**msk*

AMS  
mmB

**Intox EC/IR-II: Certification**

*Department of Forensic Science*

Serial Number: 010522      Test Number: 1118  
Test Date: 01/14/2014      Test Time: 12:01 EST

Technician Initials: HMS

Dry Gas Target: 0.245

Lot Number: 0771325014-02      Exp Date: 05/01/2015

Tank Pressure: 894 psi      Barometric Pressure: 745 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	12:02
BLK	0.000	12:03
CHK	0.246	12:03
BLK	0.000	12:05
CHK	0.246	12:06
BLK	0.000	12:07
CHK	0.246	12:08
BLK	0.000	12:10

**Success**

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

*HMS*  
*mmB*

**Intox EC/IR-II: Certification**

*Department of Forensic Science*

Serial Number: 010522      Test Number: 1119  
Test Date: 01/14/2014      Test Time: 12:11 EST

Technician Initials: *HMS*

Dry Gas Target: 0.147

Lot Number: 2951215012-02      Exp Date: 11/01/2014

Tank Pressure: 257 psi      Barometric Pressure: 745 mmHg

System Check: *Passed*

Test	g/210L	Time
DIAG	Pass	12:12
BLK	0.000	12:13
CHK	0.148	12:13
BLK	0.000	12:15
CHK	0.148	12:16
BLK	0.000	12:17
CHK	0.148	12:18
BLK	0.000	12:19

**Success**

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

HMS  
mmB

**Intox EC/IR-II: Certification**

*Department of Forensic Science*

Serial Number: 010522      Test Number: 1120

Test Date: 01/14/2014      Test Time: 12:21 EST

Technician Initials: HMS

Dry Gas Target: 0.078

Lot Number: 0771308012-04      Exp Date: 05/01/2015

Tank Pressure: 399 psi      Barometric Pressure: 745 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	12:21
BLK	0.000	12:22
CHK	0.079	12:23
BLK	0.000	12:24
CHK	0.079	12:25
BLK	0.000	12:26
CHK	0.079	12:27
BLK	0.000	12:28

**Success**

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

AMS  
mmB

**Intox EC/IR-II: Certification**

*Department of Forensic Science*

Serial Number: 010522      Test Number: 1121  
Test Date: 01/14/2014      Test Time: 12:29 EST

Technician Initials: HMS

Dry Gas Target: 0.020

Lot Number: 0771302011-04      Exp Date: 05/01/2015

Tank Pressure: 453 psi      Barometric Pressure: 745 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	12:30
BLK	0.000	12:30
CHK	0.019	12:31
BLK	0.000	12:32
CHK	0.019	12:33
BLK	0.000	12:34
CHK	0.019	12:35
BLK	0.000	12:36

**Success**

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success



HMS  
mmB

**Intox EC/IR-II: Accuracy Check**

*Department of Forensic Science*

Serial Number: 010522      Test Number: 1122

Test Date: 01/14/2014      Test Time: 12:39 EST

Dry Gas Target: 0.294

Lot Number: AG322702-08      Exp Date: 08/15/2015

Tank Pressure: 188 psi      Barometric Pressure: 745 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	12:40
CHK	0.299	12:41
BLK	0.000	12:43
CHK	0.299	12:43
BLK	0.000	12:45
CHK	0.299	12:46

Test Status: *Success*

Calibration CRC: C7693BF3

HMS  
mmb

**Intox EC/IR-II: Accuracy Check**

*Department of Forensic Science*

Serial Number: 010522      Test Number: 1123

Test Date: 01/14/2014      Test Time: 12:49 EST

Dry Gas Target: 0.098

Lot Number: AG316301-06      Exp Date: 06/12/2015

Tank Pressure: 546 psi      Barometric Pressure: 745 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	12:49
CHK	0.098	12:50
BLK	0.000	12:52
CHK	0.099	12:52
BLK	0.000	12:54
CHK	0.098	12:55

Test Status: *Success*

Calibration CRC: C7693BF3

HW  
mmb




COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS  
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED <b>INSTRUMENT, TEST,</b>	NAME OF COURT <b>DFS</b>
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY <b>STANTON, HEATHER, M</b>		AGENCY <b>DFS Central Lab</b>
DFS LICENSE NUMBER <b>18910</b>	LICENSE EXPIRES <b>10/01/2014</b>	DATE TEST CONDUCTED <b>01/14/2014</b>
TEST EQUIPMENT NUMBER <b>010522</b>		

RESULTS: TIME SAMPLE TAKEN 13:02 EST  
SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20 \_\_\_\_\_.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS \_\_\_\_\_  
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS \_\_\_\_\_  
OPERATOR'S SIGNATURE

FOR COURT



# IntoxNet MIS Report

Report Generated 15 Jan 2014 at 15:00

Handwritten initials and signature: *mmB*

## Test Results

Instrument Serial Number 010522

Test # 001124 Subject Test

Test Location 1 Department of  
Test Date 14 Jan 2014

Test Location 2 Forensic Science  
Test Time 12:56  
Remote/Local Local

Test Location 3  
System Check Passed

Operator's Last Name STANTON  
Agency DFS Central Lab

Operator's First Name HEATHER

Operator's Middle Initial M  
License Number 18910

Card Serial Number 118910

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 14 Jan 2014 End Time 13:03

Result Time 13:02

Result Date 14 Jan 2014 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 12:56

Data Type BLK

Sample Value 0.000

Sample Time 12:57

Data Type CHK

Sample Value 0.098

Sample Time 12:58

Data Type BLK

Sample Value 0.000

Sample Time 12:59

Data Type SUBJ

Sample Value 0.000

Sample Time 13:00

Data Type BLK

Sample Value 0.000

Sample Time 13:01

Data Type SUBJ

Sample Value 0.000

Sample Time 13:02

Data Type BLK

Sample Value 0.000

Sample Time 13:03

Standard Type Dry Gas Std

Standard Value 0.098

Standard Lot Number AG316301-06

Standard Expiration Date 06/12/2015

Tank Pressure 536

Barometric Pressure 745 mmHg

Blow Sample Number 1 Blow Duration 3.59 sec

Blow Volume 1739 cc End-of-Blow Time 13:00

Blow Sample Number 2 Blow Duration 3.73 sec

Blow Volume 1772 cc End-of-Blow Time 13:02

Tamper Evident Stamp cbd1e3a8

Test Status Code 0

Test Status Success